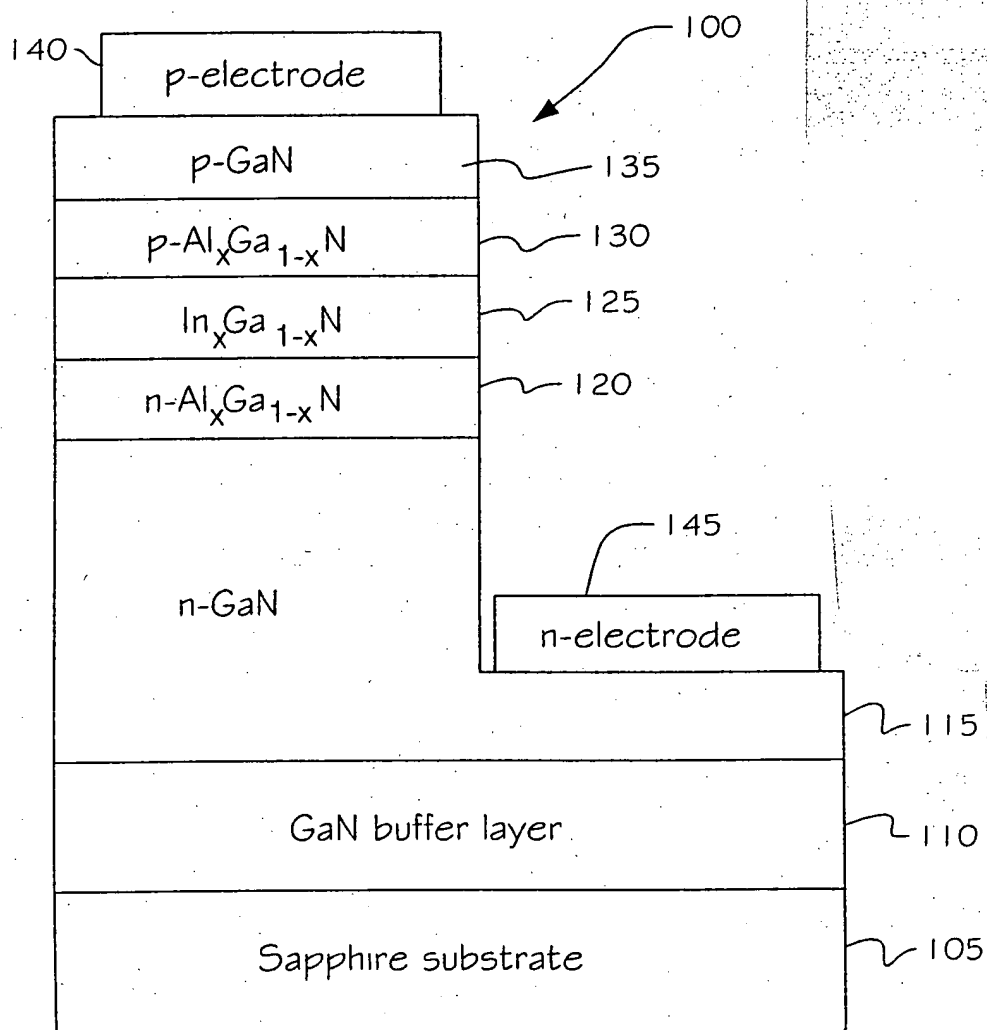


FIG. 1A



PRIOR ART

FIG. 1B

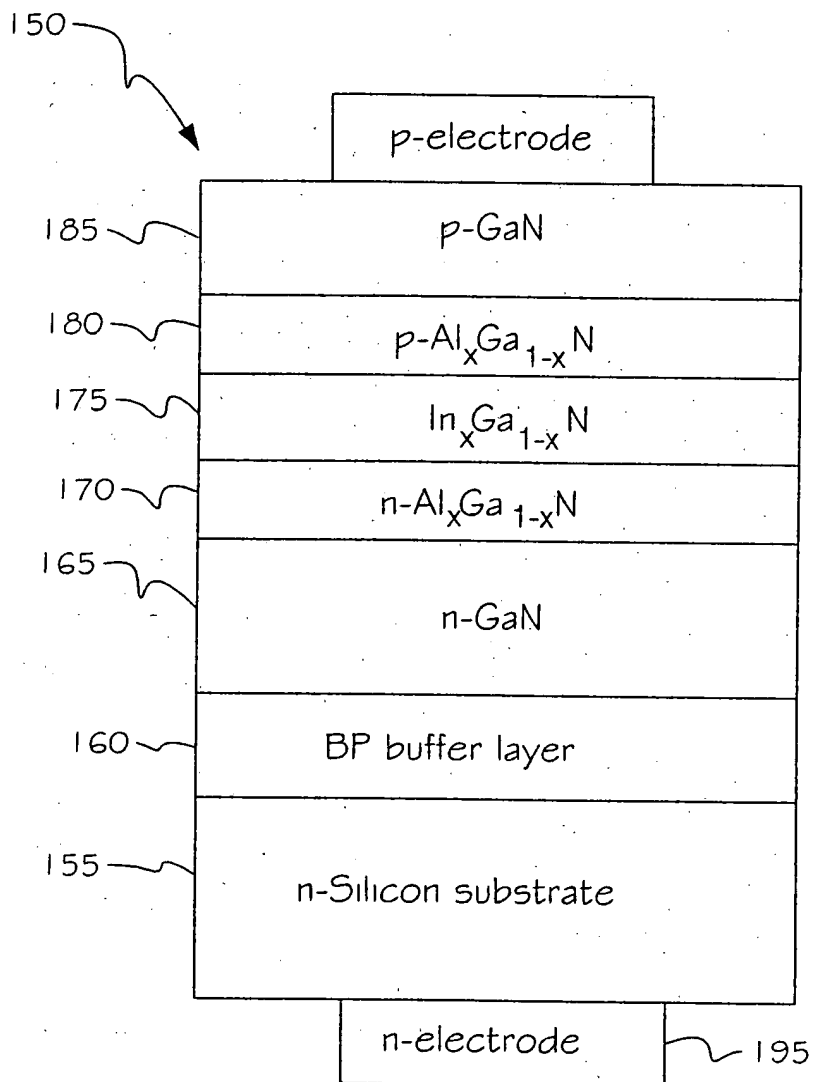


FIG. 2A

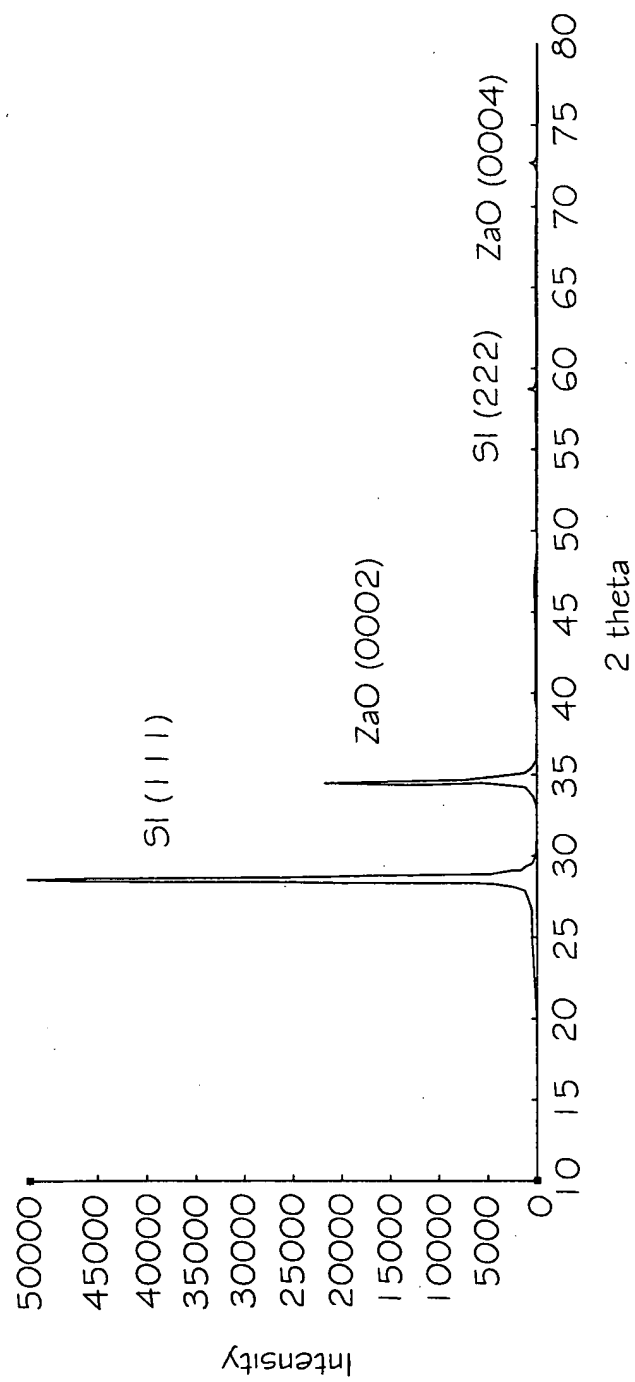


FIG. 2B

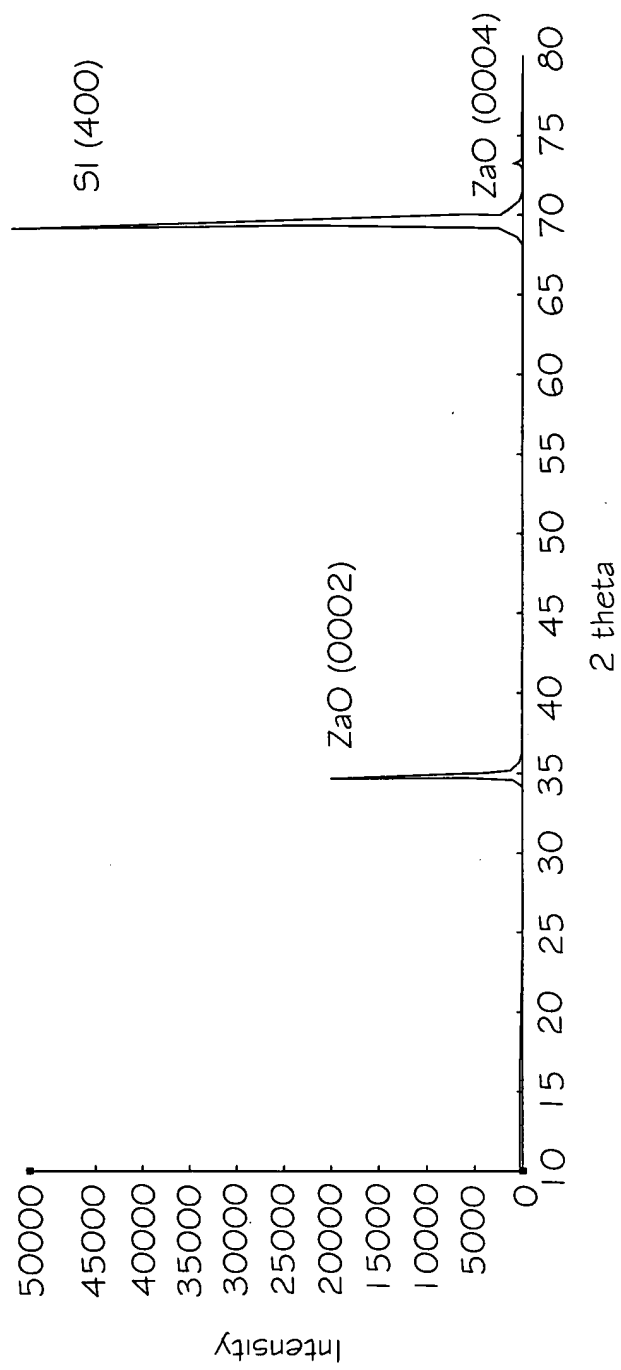


FIG. 3(a)

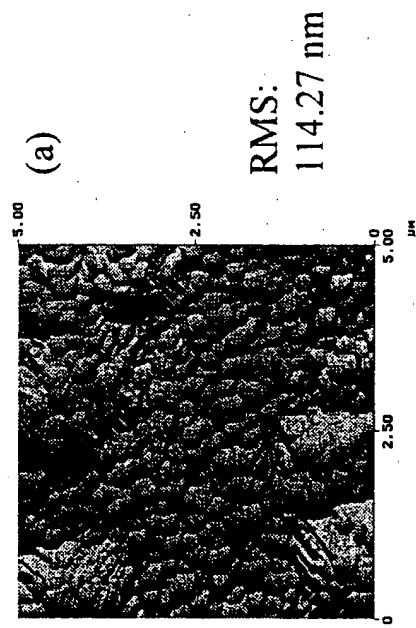


FIG. 3(b)

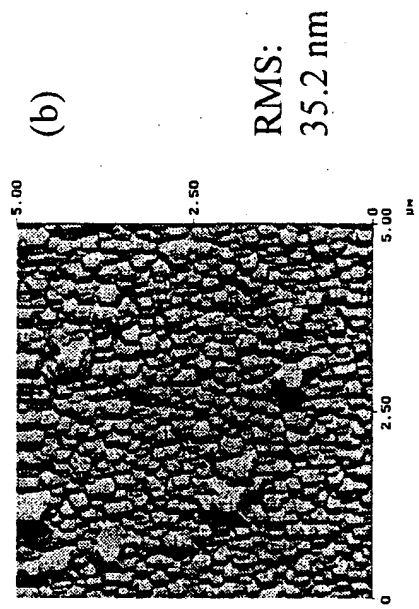


FIG. 4A

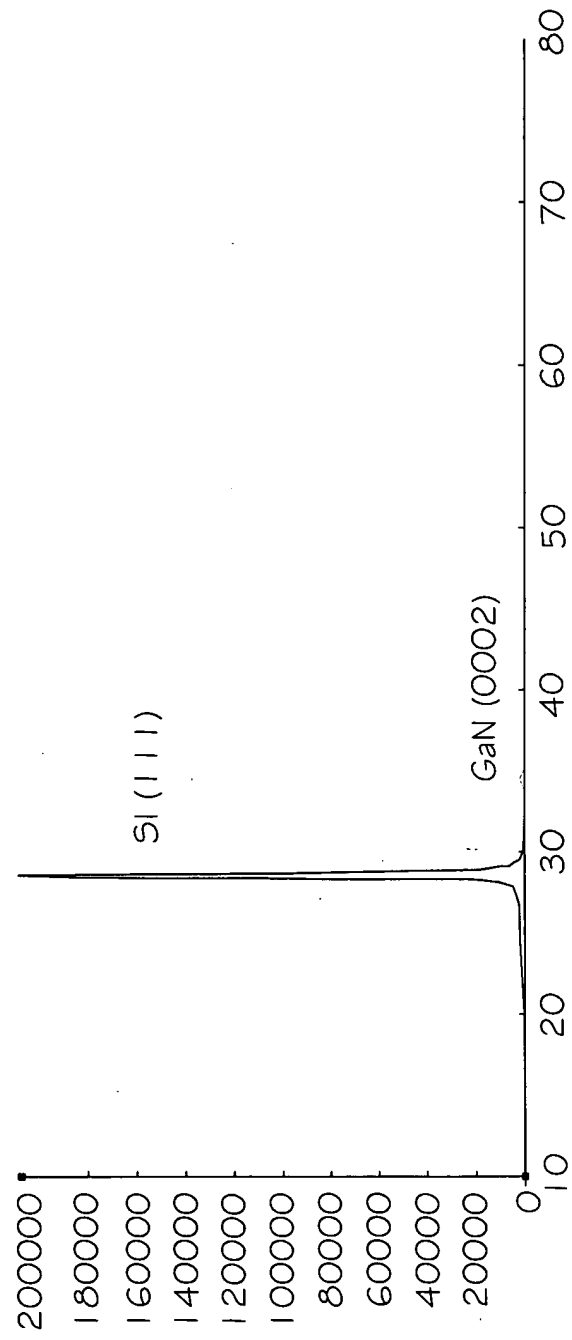


FIG. 4B

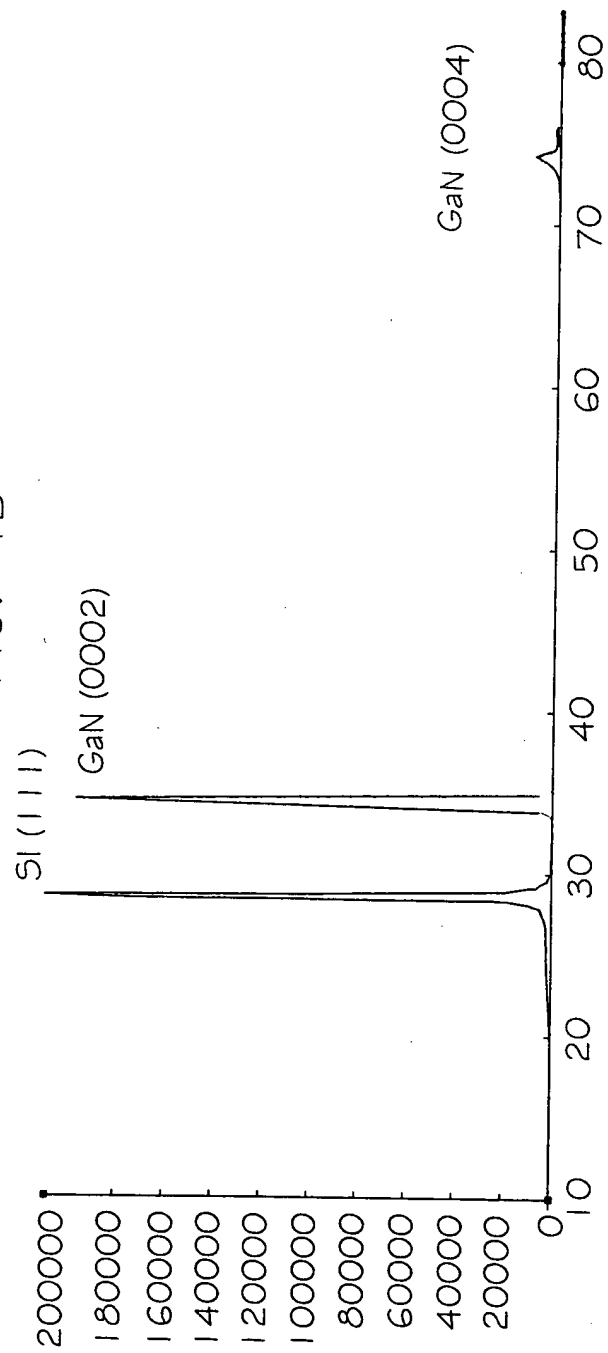
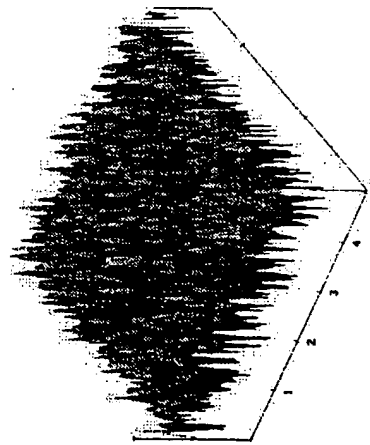
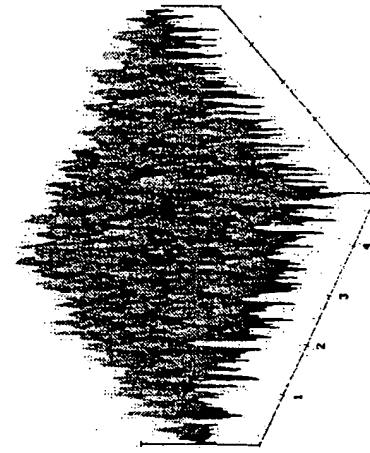


FIG. 5(a)



(a) RMS: 4.6 nm

FIG. 5(b)



b) RMS: 4.7 nm



FIG. 6

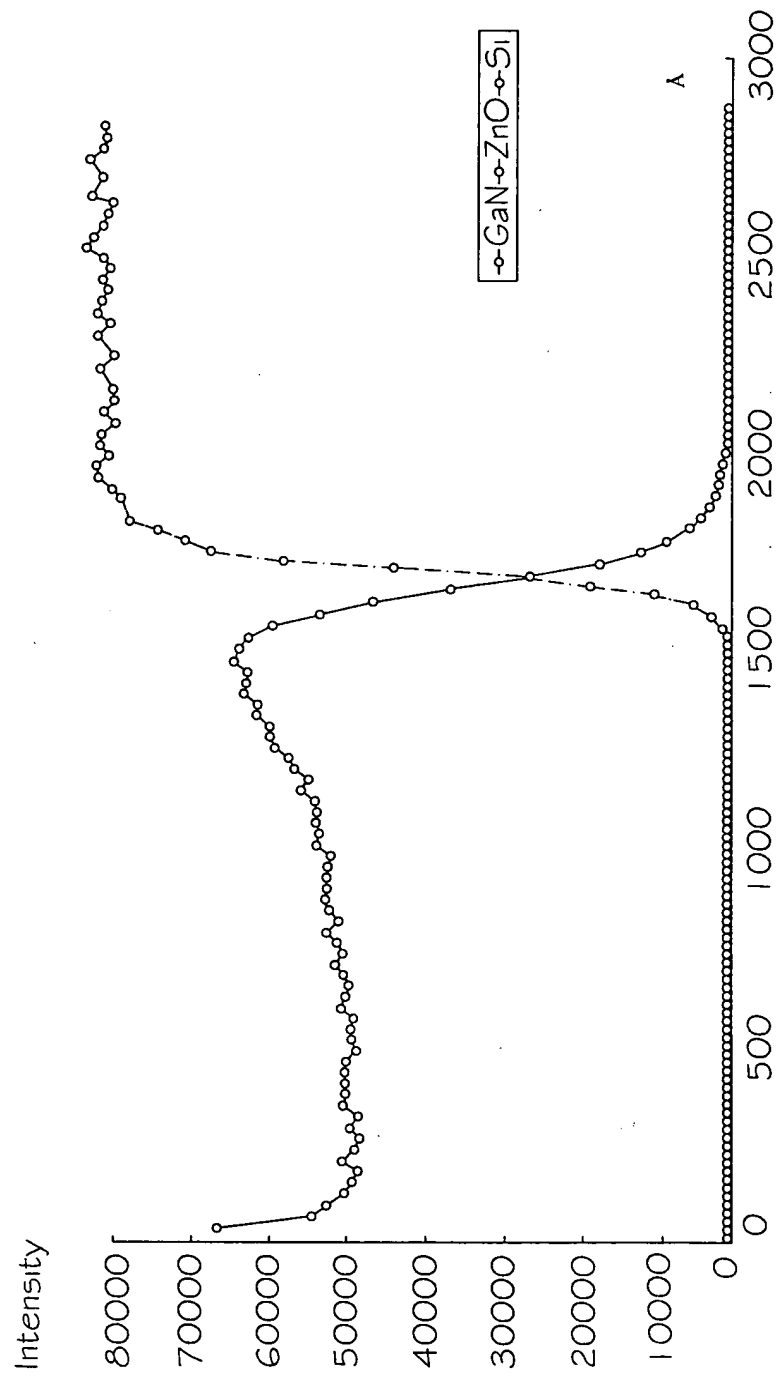
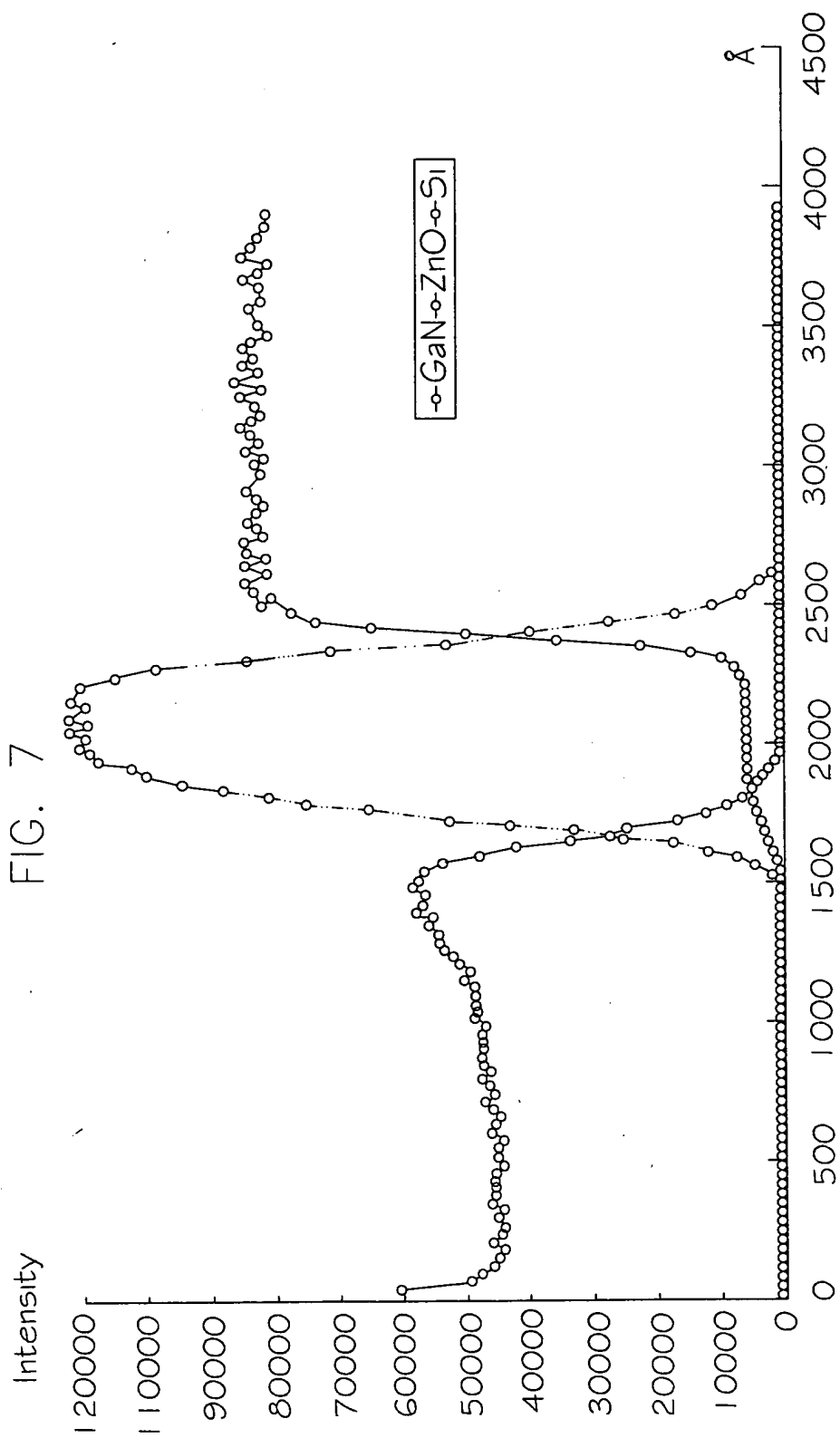


FIG. 7



# Room Temperature PL of GaN/ZnO/Si

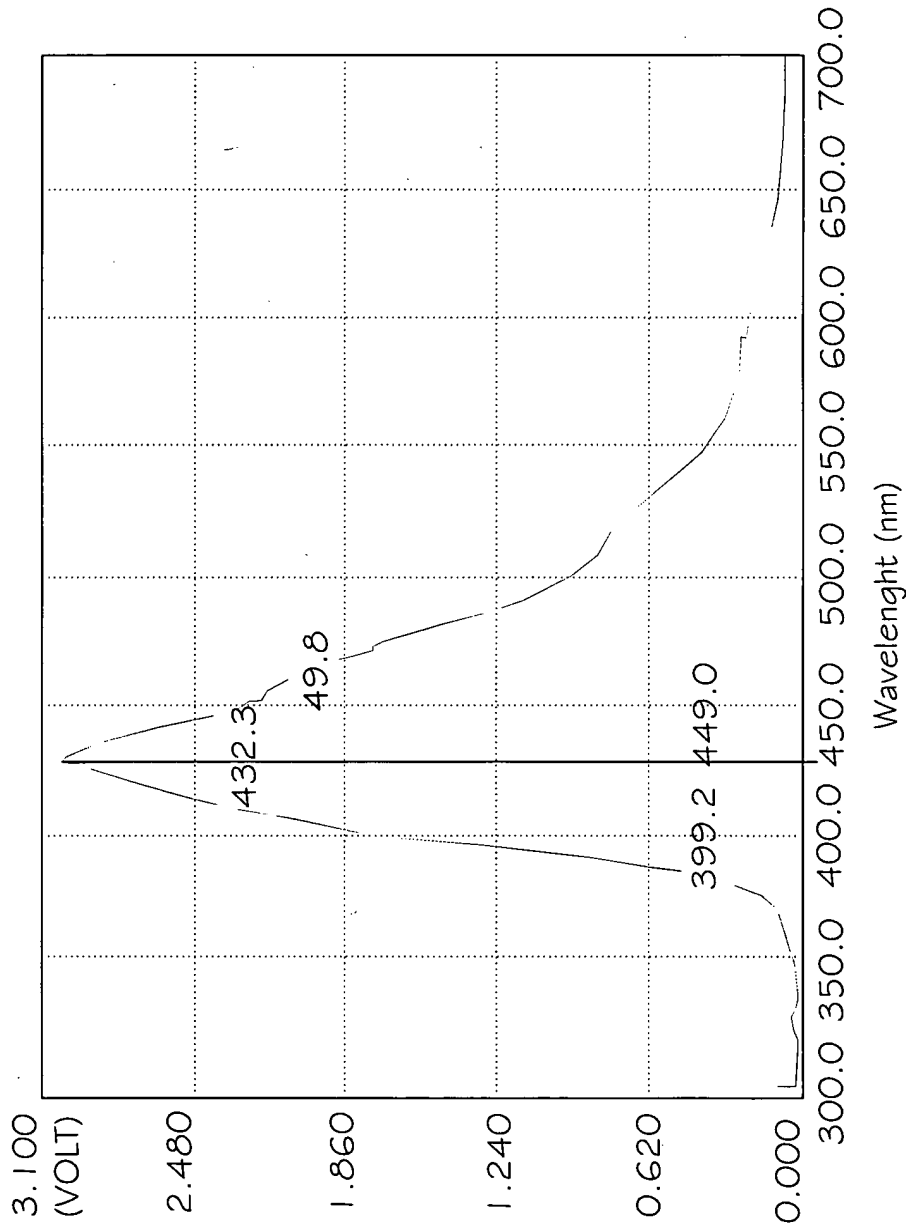


FIG. 8A

## PL spectrum of GaN/ZnO/Si

# Room Temperature PL of GaN/ZnO/Si

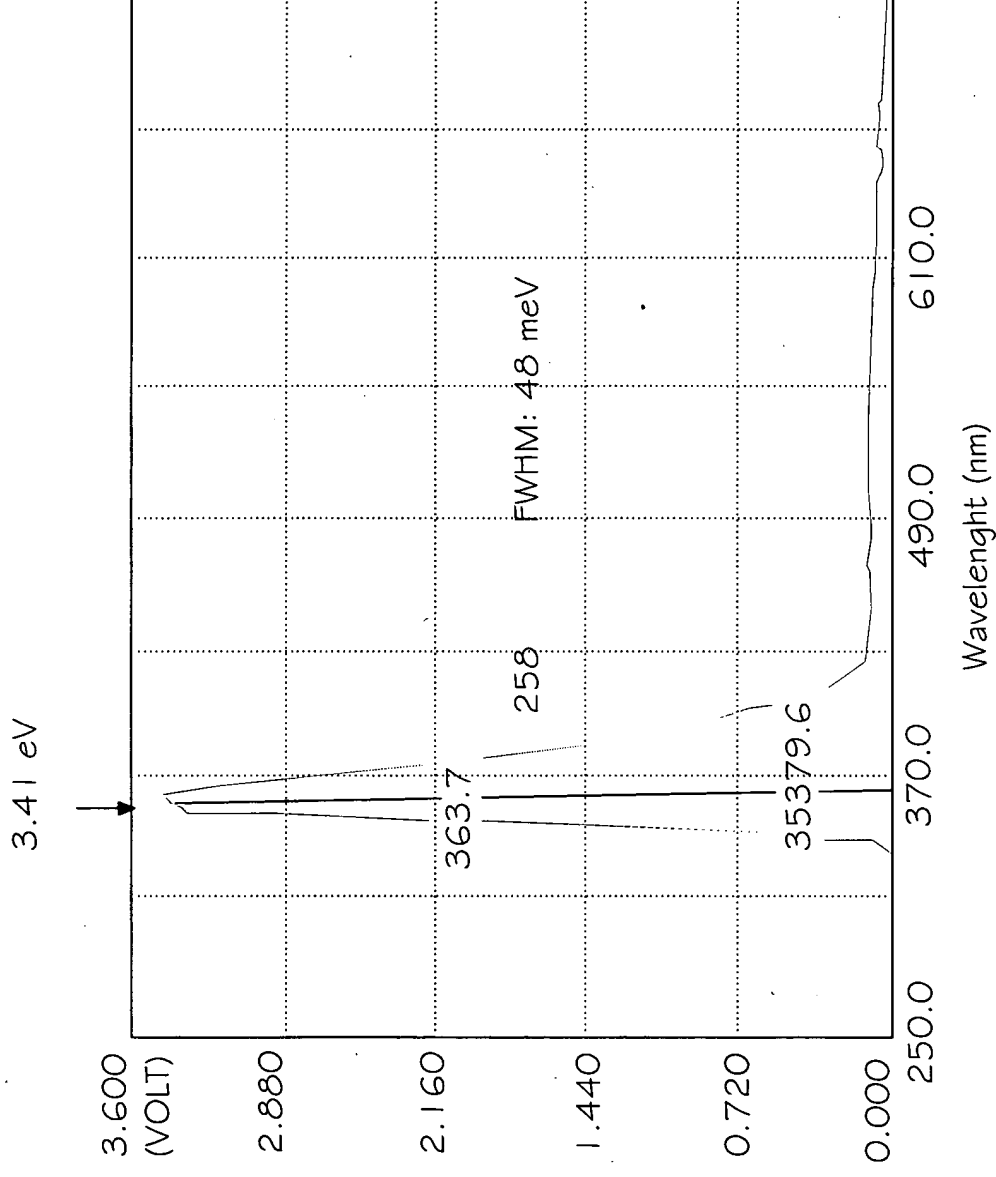


FIG. 8B

## PL spectrum of GaN on bare Si